Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] In a telecommunication system split into a plurality of subsystems adapted to exchange serial data bits arranged in n-bit frames according to the dynamic time division multiplexing (TDM) access method wherein the time is split in time slots, so that to each bit position (Bit1 to Bitn) of said frame is associated either one among N logical channels or a null value, N being the maximum number of logical channels (..., X, ...) that can be simultaneously opened and wherein to each logical channel (X) is associated an identifier (LC X) coded on p bits, the improvement comprising:
first data storage means comprising an nxp memory block to store the time slot assignment (TSA) table which specifies for each bit position of the n-bit frame, the logical channel it belongs to at a given time, describing thereby the different time slots (TimeslotX, ...);
second data storage means comprising a Nx1 register to store status bits that indicates for each logical channel its status, "assigned" when it has a first value or "unassigned" when it has another value;
input bus means for inputting the logical channel identifiers into said first data storage means and the value of

the status bits in said second data storage means from a computer or an application software; and,
logic circuit means connected to said first and second data storage means that enables or disables the transmission of the logical channel identifiers depending upon they are "assigned" or "unassigned" to an output bus means for subsequent processing by a time slot assignor.

[c2] The telecommunication system according to claim 1 wherein the null value corresponds to a bit position to which none logical channel is assigned.